AUTODOC CLUB

How to change front brake discs on **Mercedes W204** – replacement guide

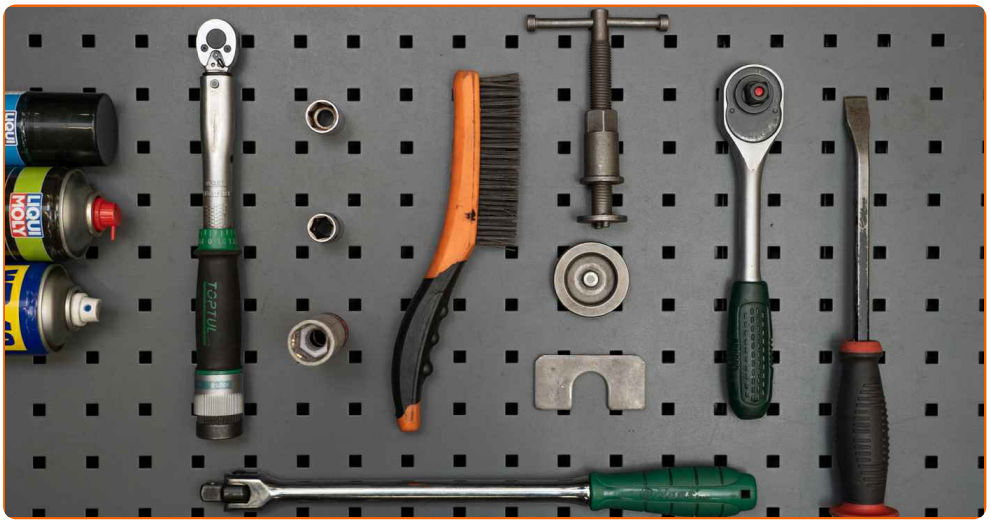
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ C-Class T-modell (S204) C 250 CGI (204.247), MERCEDES-BENZ SLK (R172) 250 1.8 (172.447), MERCEDES-BENZ C-Class Saloon (W204) C 250 CDI 4-matic (204.082), MERCEDES-BENZ SLK (R172) 200 1.8 (172.448), MERCEDES-BENZ E-Class Saloon (W212) E 250 CDI / BlueTEC 4-matic (212.082, 212.097), MERCEDES-BENZ E-Class Saloon (W212) E 200 NGT (212.041), MERCEDES-BENZ C-Class T-modell (S204) C 250 CDI 4-matic (204.282), MERCEDES-BENZ C-Class Coupe (C204) C 220 CDI (204.302), MERCEDES-BENZ C-Class Coupe (C204) C 250 CDI (204.303), MERCEDES-BENZ C-Class Coupe (C204) C 250 (204.347), MERCEDES-BENZ C-Class Saloon (W204) C 200 (204.048), MERCEDES-BENZ C-Class Saloon (W204) C 180 Kompressor (204.046), MERCEDES-BENZ C-Class Saloon (W204) C 200 Kompressor (204.041), MERCEDES-BENZ C-Class Saloon (W204) C 230 (204.052), MERCEDES-BENZ C-Class Saloon (W204) C 280 (204.054), (+ 50)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – MERCEDES W204.
TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Electronic spray
- All-purpose cleaning spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Combination spanner #18
- Drive socket # 13
- HEX bit no.H5
- Wheel impact socket #17
- Ratchet wrench
- Impact screwdriver
- Long nose pliers
- Brake caliper wind back tool
- Crow bar
- Wheel chock

BUY TOOLS

AUTODOC recommends:

- Replace the brake disks on the car Mercedes W204 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – Mercedes W204 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.

4 Raise the car.

Replacement: brake discs – Mercedes W204. AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

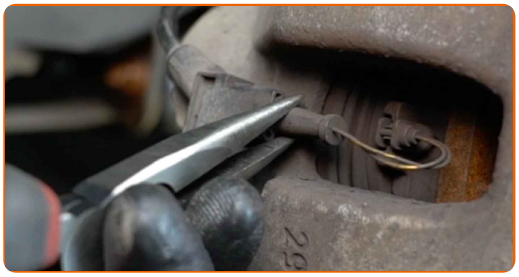
5 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W204

6 Remove the wheel.

7 Detach the connector of the brake pad wear sensor. Use long nose pliers.

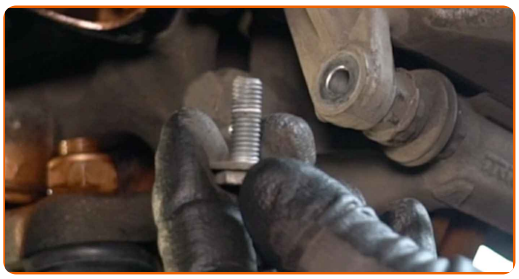


8 Spread the brake pads. Use a crowbar.

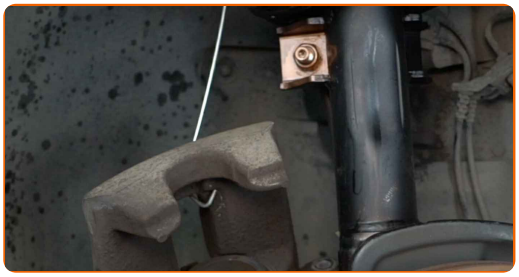
9 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

10 Unscrew the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #13. Use a ratchet wrench.

11 Remove the fastening bolts.



12 Remove the brake caliper.



Replacement: brake discs – Mercedes W204. AUTODOC recommends:

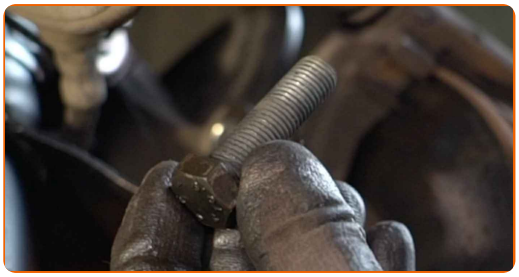
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

13 Remove the brake pads.

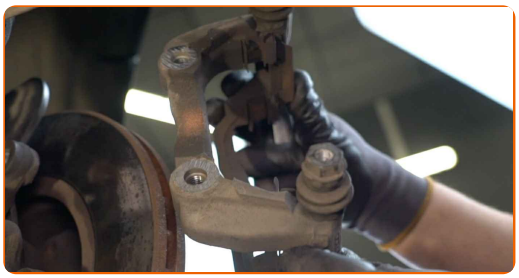
14 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

15 Unscrew the brake caliper bracket fasteners. Use a combination spanner #18.

16 Remove the fastening bolts.



17 Remove the caliper bracket.



18 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

19 Unscrew the brake disc fastening. Use HEX No.H5. Use an impact screwdriver.

20 Remove the fastening bolt.

21 Remove the brake disc.

22 Clean the hub. Use a wire brush. Use all-purpose cleaning spray.

23 Treat the contacting surface. Use ceramic grease.

24 Install the brake disc.

25 Install the fastening bolt.

26 Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.

27 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – Mercedes W204. After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

28 Install the brake caliper bracket.

29 Install the fastening bolts.

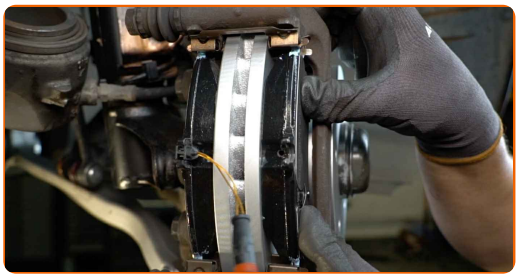
30 Tighten the brake caliper bracket fasteners. Use a combination spanner #18. Use a torque wrench. Tighten it to 115 Nm torque.

31 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.

Replacement: brake discs – Mercedes W204. Professionals recommend:

- Make sure the disc surface is clean before installing the pads.

32 Install the brake pads.



33 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake discs – Mercedes W204. After applying the spray, wait a few minutes.

34 Press in the brake caliper piston. Use brake caliper wind back tool.

35 Install the brake caliper and fix it.

36 Install the fastening bolts.

37 Tighten the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #13. Use a torque wrench. Tighten it to 34 Nm torque.

38 Treat the brake pad wear sensor plug. Use dielectric grease.

39 Attach the connector of the brake pad wear sensor.

40 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

41 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

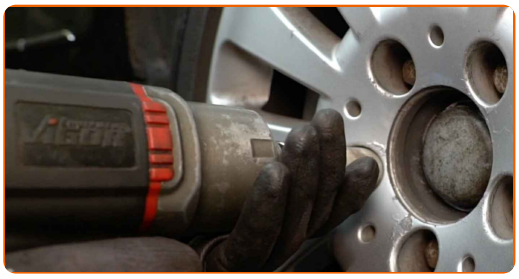
- After applying the spray, wait a few minutes.

42 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W204

43 Screw in the wheel bolts. Use wheel impact socket #17.



44 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.

45 Remove the jacks and chocks.

Replacement: brake discs – Mercedes W204. Professionals recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

46 Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE!

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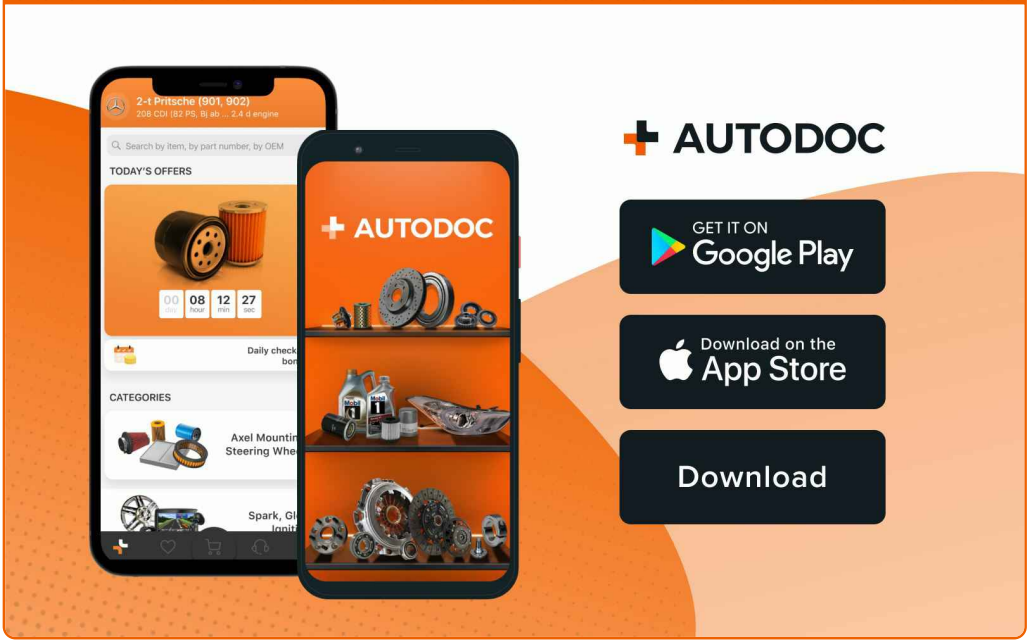

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